IN THE CLAIMS

1. **(currently amended)** An information processing method for use with an SDL execution unit described in a specification and description language (SDL), an external environment description unit described in a programming language other than the SDL, an adapter having a pseudo internal signal generator and a queue manager, and an operating system, the method comprising the steps of:

connecting the SDL execution unit and the external environment description unit to each other through the adapter so that signals containing at least one of messages, events and parameters may be exchanged between the SDL execution unit and the external environment description unit through the adapter;

executing the external environment description unit as a single task of the operating system; and

executing the task so that the pseudo internal signal generator running on said external environment description unit converts ~~may convert~~ and ~~transfer~~ transfers the signals between the SDL execution unit and the external environment description unit.

2. **(original)** The method of claim 1, wherein the step of executing the task includes the steps of:

receiving information to be transferred to the SDL execution unit from the external environment description unit, the information being received as function parameters for the pseudo internal signal generator;

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converting the information by the pseudo internal signal generator into signals to be transferred to the SDL execution unit;

transferring the converted signals to the queue manager;

monitoring an internal queue of the queue manager; and

activating, if the internal queue is holding the converted signals, the SDL execution unit by a function call so that the activated SDL execution unit may fetch the converted signals from the internal queue and carry out processes accordingly.

3. (currently amended) An information processing apparatus for processing information under the control of a task assigned by an operation system, comprising:

an SDL execution unit described in a specification and description language (SDL);

an external environment description unit described in a programming language other than SDL, said external environment unit being executed as a single task of the operating system; and

an adapter, running on said external environment description unit, for connecting the SDL execution unit described in SDL and the external environment description unit to each other so that signals ~~may be~~ are converted and transferred between the SDL execution unit and the external environment description unit through the adapter, the adapter having:

a pseudo internal signal generator for separating, integrating, and converting signals to be transferred between the SDL execution unit and the external environment description unit; and

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a queue manager having an internal queue for holding the signals to be transferred

between the SDL execution unit and the external environment description unit;

whereby no separate task is assigned by the operating system to the SDL

execution unit and overhead of the operating system is thereby reduced.

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